

# MEMO

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June 20, 2003

TO: Governor's Traffic Safety Advisory Commission (GTSAC)

FROM: Tom Bruff, Transportation Coordinator

SUBJECT: Update on the Michigan Traffic Signal Summit Activities

The Michigan Traffic Signal Summit group has made much progress to improve safety and lower congestion at signalized intersections. Also, what began as an effort to re-time all signals in Oakland County has grown to adjacent counties in southeast Michigan (Macomb and Wayne Counties, and the City of Detroit), and has even been a catalyst for initiating the same type of discussions in two other Michigan regions (Grand Rapids and Flint). The rest of this memo will focus only on those activities occurring in the Southeast Michigan region.

Implementation of the new signal timings in Oakland County have been completed in phase zero (Farmington Hills) and almost finished in phases I and II (see the attached map). The most recent activity is the awarding of phase III of the project, which also includes a re-review of the signals in Farmington Hills (since data used to retime these signals is now over three years old).

In total, \$5.3 million of federal money will be used to ease traffic congestion and improve air quality by 2004 through optimizing signal timing (in Oakland County). The re-timing of traffic signals can make a big difference in traffic flow and intersection safety. The signal timing will more closely reflect the existing needs of the system. It also reduces gasoline consumption and therefore air pollution. A more detailed benefit-cost analysis is presently being worked on by Wayne State University and will be presented to GTSAC at a future update. In the meantime the summit group continues to discuss relevant issues related to signalized intersections, including:

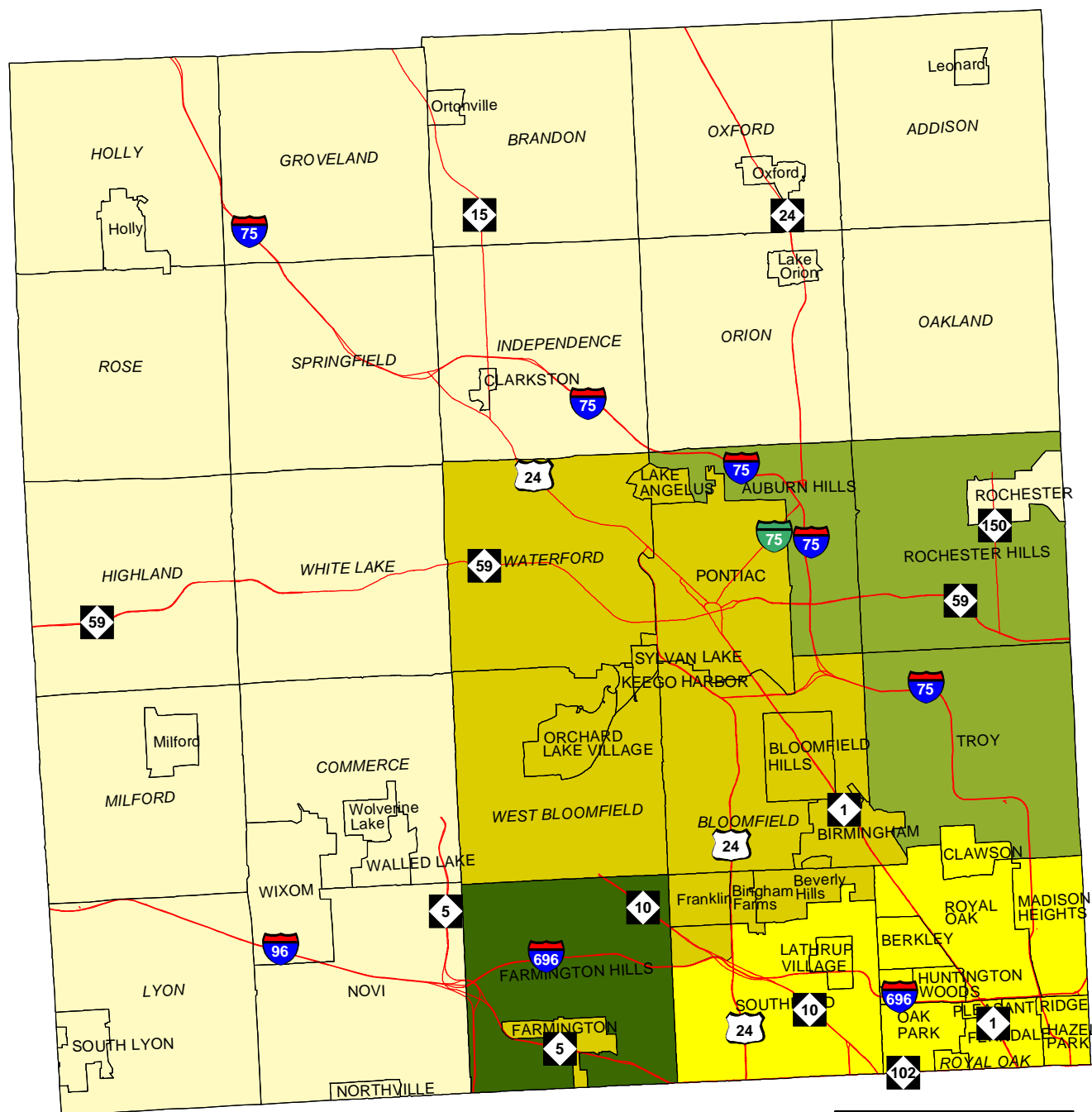
- signal hardware requirements (Short-term);
- signal strategy and vision (Long-term);
- signal progression, timing, and actuation;
- clearance and all-red intervals (i.e., red-light running); and
- timely installation (e.g., indefinite delivery contracts and multi-agency coordination).

Finally, I would be remiss if I didn't mention that because this project clearly demonstrated partnerships between local governments it received the 2002 SEMCOG/MAC Joint Public Service (JPS) Award.

If you have any questions please contact me at 313-324-3340 or Jim Schultz (ITS Manager, MDOT) at 313-256-9800.

# Michigan Traffic Signal Summit

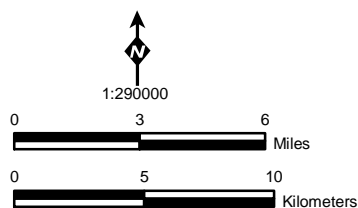
## Oakland County



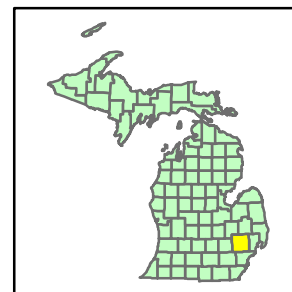
- Phase 1
  SCATS
- Phase 2
  Farmington Hills
- Phase 3



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